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ABSTRACT

This bulletin furnishes a listing of educational resources on the subject of osteroporosis that are available in the reference collection, Science Reading Room of the Library of Congress, Washington, D.C. The following sources are cited: (1) magaine introductions; (2) subject headings used by the Library; (3) basic texts; (4) additional titles; (5) bibliographies; (5) conferences; (6) government publications; (7) journal articles; (8) selected journal articles; (9) selected materials available in the Science Reading Room; and (10) additional sources of information other than the Library. (JD)

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OSTEOPOROSIS
Compiled by Vivian O. Sammons

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SCOPE: Osteoporosis, a disease marked by thinning of the bones, making them brittle and more vulnerable to spontaneous fracture, affects some twenty million people in the United States. After the age of forty-five, it is nine times more common in women than men. Older persons are more susceptible than middle-aged persons, and whites and Orientals more than Blacks. Exactly what causes the increased loss of bone is unknown. However, there appear to be many contributing factors, including hormonal imbalances, which affect the absorption of calcium and phosphorus, and the decrease in estrogen production in menopausal women. Inadequate nutrition, including a diet lacking in calcium, vitamin D, and protein, is also thought to contribute to the onset of the disease. This guide to the literature of osteoporosis is based on materials available in the collections of the Library of Congress and is not meant to be a comprehensive bibliography. It is designed--as the name of the series implies--to put the reader "on target."

INTRODUCTIONS

Burkhardt, Sandra, and Sandie Horwitz. Understanding osteoporosis. Walking magazine, autumn 1986: 23-25, 27. Pamphlet box*

Cullerton, Barbara J. Osteoporosis reexamined: complexity of bone biology is a challenge. Science, v. 235, Feb. 20, 1987: 833-834. Q1.S35 and Pamphlet box*

Lane, J. M., V. J. Vigorita, and M. Falls. Osteoporosis: current diagnosis and treatment. Geriatrics, v. 39, Apr. 1984: 40-47. RC952.A1G47 and Pamphlet box*

SUBJECT HEADINGS used by the Library of Congress, under which books on osteoporosis can be located in most card, book, and online catalogs, include the following:

OSTEOPOROSIS (Highly relevant)
CALCIUM, DIETARY (Relevant)
ESTROGEN--THERAPEUTIC USE (Relevant)
CALCIUM--THERAPEUTIC USE (Relevant)

*Available in the reference collection, Science Reading Room

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SP 029 779

BONES--DISEASE (Related)
OSTEOMALACIA (Related)
WOMEN--HEALTH AND HYGIENE (More general)

BASIC TEXTS

Albanese, Anthony August. Bone loss: causes, detection, and therapy. New York, A. R. Liss, c1977. 209 p. (Current topics in nutrition and disease, v. 1, no. 1) RC931.073A4

Fardon, David F. Osteoporosis: your head start on the prevention & treatment of brittle bones. Tucson, Ariz., Body Press, c1987. 276 p. RC931.073F37 1987

Frost, Harold M. The bone dynamics in osteoporosis and osteomalacia. Springfield, Ill., Thomas, 1966. 176 p. RC930.F7

Lampmann, L. E. H., S. A. Duursma, and J. H. J. Ruys. CT densitometry in osteoporosis: the impact on management of the patient. Boston, M. Nijhoff; Hingham, Mass., distributors for the U.S. and Canada, Kluwer Academic Publishers, 1984. 105 p. RC931.073L36 1984
Bibliography: p. 100-105.

Mayes, Kathleen. Osteoporosis: brittle bones and the calcium crisis. Santa Barbara, Calif., Pennant Books, c1986. 176 p. RC931.073M39 1986

ADDITIONAL TITLES

Hausman, Patricia. The calcium bible: how to have better bones all your life. New York, Rawson Associates, c1985. 205 p. RC931.073H38 1985

Nachtigall, Lila, and Joan Rattner Heilman. Estrogen: the facts can change your life: the latest word on what the new, safe estrogen therapy can do for great sex, strong bones, good looks, longer life, preventing hot flashes. New York, Harper & Row, c1986. 205 p.
Bibliography: p. 201-205. RG186.N28 1986

Notelovitz, Morris, and Marsha Ware. Stand tall: the informed woman's guide to preventing osteoporosis. Gainesville, Fla., Triad Pub. Co., c1982. 208 p. RC931.073N67 1982

Smith, Wendy. Osteoporosis: how to prevent the brittle-bone disease. New York, Simon & Schuster, c1985. 142 p. RC931.073S65 1985

BIBLIOGRAPHIES

Gordan, Gilbert S., and Cynthia Vaughn. Clinical management of the osteoporoses. Aylesbury, Eng., HM + M, 1976. 207 p.
Bibliography: p. 149-196 RC931.073G67 1976b

Osteoporosis. Beltsville, Md., Food and Nutrition Information Center, National Agricultural Library, 1986. 3 p. Pamphlet box*
"Pathfinder."

Osteoporosis, January 1980 through March 1984. 355 citations in English, prepared by Charlotte Kenton. Bethesda, Md., National Library of Medicine, 1984. 25 p. (National Library of Medicine. Literature search, no. 84-3) Pamphlet box*

CONFERENCES

Current concepts of bone fragility. Edited by Hans K. Uhthoff; associate editor, Elvira Stahl. Berlin, New York, Springer-Verlag, c1986. 455 p. RC930.C87 1986
Proceedings of the 12th Applied Basic Science Course, held in Ottawa, Ont., in 1985.

A Discussion of the diagnosis and treatment of osteoporosis. Edited by Solomon Posen. Toronto, Lewiston; New York, Huber, c1986. 66 p. RC931.073D57 1986
"Proceedings of an international symposium on osteoporosis held in Sydney, Australia, on 20th May 1985 during the XVIth International Congress of Rheumatology."

Harry Steenbock Symposium, 10th, University of Wisconsin--Madison, 1980. Osteoporosis: recent advances in pathogenesis and treatment: proceedings of the 10th Steenbock Symposium, held at the University of Wisconsin--Madison, June 9-12, 1980. Edited by Hector F. Deluca and others. Baltimore, University Park Press, c1981. 506 p. RC931.073H38 1980

International Symposium on Osteoporosis, 1st, Montefiore Hospital and Medical Center, 1969. Osteoporosis. Edited by Uriel S. Barzel. New York, Grune & Stratton, 1970. 290 p. RD684.I55 1969
Bibliography: p. 273-286.

International Symposium on Osteoporosis, 2d, Miami Beach, Fla., 1978. Osteoporosis II. Edited by Uriel S. Barzel. New York, Grune & Stratton, c1979. 283 p. RC931.073I57 1978
"Based on the proceedings of the second International Symposium on Osteoporosis, Miami Beach, Florida, June 1978."
Bibliography: 249-272.

Osteoporosis, a multi-disciplinary problem. Edited by A. St. John Dixon, R. G. G. Russell, and T. C. B. Stamp. London, Royal Society of Medicine; New York, Grune & Stratton, 1983. 333 p. (International congress and symposium series, no. 55) RC931.073077 1983

Osteoporosis: the proceedings of an international symposium held at the Jerusalem Osteoporosis Center in June 1981. Edited by J. Menczel and others. Chichester, Sussex, New York, Wiley, c1982. 440 p. RC931.073078 1982

Workshop on Current Strategies in the Treatment of Osteoporosis, Nice, France, 1986. Osteoporosis: selected papers presented at the Workshop on Current Strategies in the Treatment of Osteoporosis, held during the 9th International Conference on Calcium Regulating Hormones and Bone Metabolism, Nice, 25 October-1 November 1986. Editors, D. V. Cohn and T. J. Martin. Amsterdam, New York, Elsevier, 1987. 58 p. RC931.O73W67 1986

GOVERNMENT PUBLICATIONS

Larson, K. Andra, and Stephen C. Shannon. Decreasing the incidence of osteoporosis-related injuries through diet and exercise. Public health reports, v. 99, Nov./Dec. 1984: 609-613. RA11.B17, v. 99

Miller, Roger W. Osteoporosis, calcium and estrogens. FDA consumer, v. 18, Nov. 1984: 17-19. HD9000.9.U5A1735, v. 18

Osteoporosis: the bone thinner. Age page. Bethesda, Md., National Institute on Aging, Dec. 1983. 2 p. Pamphlet box*

United States. Congress. Senate. Committee on Labor and Human Resources. Subcommittee on Aging. Osteoporosis: hearing before the Subcommittee on Aging of the Committee on Labor and Human Resources, United States Senate, Ninety-ninth Congress, first session, on reviewing the diagnosis and treatment of osteoporosis, June 20, 1985. Washington, U.S. Govt. Print. Off., 1985. 261 p.
Senate hearing, 99-231. KF26.L2716 1985

JOURNAL ARTICLES and other literature on osteoporosis are indexed primarily in the following abstracting and indexing services. OSTEOPOROSIS appears to be the best term with which to begin your search.

Biological Abstracts/RRM (1967-) Z5321.B672*

Biological & Agricultural Index (1916-) Z5073.A46*

General Science Index (1978-) Z7401.G46*

Index Medicus (1960-) Z6660.I422*

Magazine Index (1982-) Available on film/ROM reader

Monthly Catalog of United States Government Publications (1895-) Z1223.A18*

Nutrition Abstracts and Reviews. Series A: Human and Experimental (1931-) QP141.A1N86*

Readers' Guide to Periodical Literature (1900-) AI3.R45

Science Citation Index (1961-) Z7401.S365* see especially Permuterm Subject Index (1966-)

Note: Consult reference librarian for locatin of abstracting and indexing services in the Science Reading Room

JOURNALS that often contain articles on osteoporosis are

Aging HV1457.A65
JAMA, Journal of the American Medical Association R15.A48
FDA Consumer HD9000.9.U5A1735
Health RA773.F17
Prevention RA421.P68
Science Q1.S35

SELECTED JOURNAL ARTICLES

Barnes, Deborah M. Close encounters with an osteoclast: chemical factors produced at specific sites in bone--primarily by immune systems cells in the marrow--regulate the resorption and formation processes required to maintain bone mass. Science, v. 236, May 22, 1987: 914-916. Q1.S35

Davis, Margaret R. Screening for postmenopausal osteoporosis. American journal of obstetrics and gynecology, v. 156, Jan. 1987: 1-5. RG1.A62

Ettinger, B., H. K. Genant, and C. E. Cann. Postmenopausal bone loss is prevented by treatment with low-dosage estrogen with calcium. Annals of internal medicine, v. 106, Jan. 1987: 40-45. R11.A84

Gambrell, R. Don, Jr. Osteoporosis: benefits and risks of estrogen-progestogen replacement therapy. Journal of the Mississippi State Medical Association, v. 27, Oct. 1986: 267-273. Pamphlet box*

Maleskey, Gale. New life for old bones: a calcium-rich diet, exercise, and a little foresight can keep you from becoming a statistic in the 'orthopedic epidemic.' Prevention, v. 35, Nov. 1983: 105-106, 108, 110, 112. RA421.P68

New bones to pick about osteoporosis and calcium supplements. Discover, v. 7, Oct. 1986: 8-9. Q1.D57

Riis, Bente, Karsten Thomsen, and Claus Christiansen. Does calcium supplementation prevent postmenopausal bone loss? A double-blind, controlled clinical study. New England journal of medicine, v. 316, Jan. 22, 1987: 173-177. R11.B7

The Risk of breast cancer in postmenopausal women who have used estrogen replacement therapy. JAMA, Journal of the American Medical Association, v. 257, Jan. 9, 1987: 209-215. R15.A48

Shealey, Tom. It's time to bone up on calcium. Prevention, v. 37, Oct. 1985: 109-110, 112, 114, 118-120. RA421.P68

SELECTED MATERIALS available in the Science Reading Room pamphlet boxes include:

Briley, Michael. Six ways to fight off osteoporosis. Modern maturity, v. 26, Feb./Mar. 1983: 81-83.

Distelheim, Rochelle. Health: saving your bones. Working woman, v. 8, Apr. 1983: 141-143.

Gadsby, Patricia. What every woman should know about calcium. Good housekeeping, v. 202, Apr. 1986: 230-231.

Freifeld, Karen. Boning up: how to get your calcium to do the job for you. Health, v. 18, May 1986: 6.

Houck, Catherine. New findings on calcium. Cosmopolitan, v. 201, Oct. 1986: 86-87.

Isenberg, Barbara. Estrogen therapy; is it right for you? Modern maturity, v. 28, June/July 1985: 110-112.

Kolata, Gina. How important is dietary calcium in preventing osteoporosis? Science, v. 233, Aug. 1, 1986: 519-520.

Larking, Marilynn. Bone up: make these 10 exercises your secret weapon against osteoporosis. Health, v. 18, Oct. 1986: 33-34, 36.

Murphy, Michael. Osteoporosis: its onset is optional; middle age isn't too late to begin waging war on the dreaded disease of old age. Dynamic years, v. 20, Sept./Oct. 1985: 42-44.

Osteoporosis. Consumer reports, v. 49, Oct. 1984: 567-580.

ADDITIONAL SOURCES OF INFORMATION

American Society For Bone and Mineral Research
P.O. Box 739
Kelseyville, California 95451
Telephone: (707) 279-1344

Arthritis Foundation
1314 Spring Street N.W.
Atlanta, Georgia 30309
Telephone: (404) 872-7100

Information Clearinghouse
National Institute of Arthritis and Musculoskeletal and Skin Diseases
National Institutes of Health
P.O. Box 9782
Arlington, Virginia 20892
Telephone: (703) 558-4999

Rees-Stealy Research Foundation
2001 Fourth Avenue
San Diego, California 92101
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